

FIGURE 1

CGAAAAGAAAAAATGGCTTTGAATTTTAATGCCATCGCCTCGAAATCTCAGAAGCTCCCT 60
M A L N F N A I A S K S Q K L P
TGCTTTGCTCTTCCACCAAAGGCCACCCTTAGATCTCCCAAGTTTTCCATGATCTCCACC 120
C F A L P P K A T L R S P K F S M I S T
ATTCTTCTGGCTCCAAAGAGGTTGGGAATCTGAAAAAGCCTTTCACGCTCCAAAGGAG 180
I P S G S K E V G N L K K P F T P P K E
GTGCCTGTTTCAGATCACCCACTCCATGCCGCTCACAAGATTGAGATCTTTAAATCTTTG 240
V P V Q I T H S M P P H K I E I F K S L
GAGGGCTGGGCTGAGAACAACATTCTGACTCACCTCAACCAGTTGAGAAATGTTGGCAA 300
E G W A E N N I L T H L K P V E K C W Q
CCCGCCGACTTTCTTCCAGATCCTAATTCTGATGGATTTCATGAGCAAGTCAAAGAGCTT 360
P A D F L P D P N S D G F H E Q V K E L
AGGGAAAGGGCAAAGGAGATCCAGATGATTACTTTGTAGTTTTGGTTGGTGATATGATC 420
R E R A K E I P D D Y F V V L V G D M I
ACCGAGGAAGCCCTTTCAACTTATCAACAATGCTTAATACCTTGGATGGAACCTCGTGAT 480
T E E A L S T Y L T M L N T L D G T R D
GAGACAGGTCCTAGCCTTACCCCTTGGGCCATTTGGACCAGGGCTTGGACTGCTGAAGAA 540
E T G A S L T P W A I W T R A W T A E E
AACAGGCATGGTGATCTGCTTAATAAGTATCTCTACTTGTCTGGGAGAGTGGACATGAGG 600
N R H G D L L N K Y L Y L S G R V D M R
CAAATTGAGAGGACAATCCAGTACTTGATTGGATCGGGAATGGATCCTCATACAGAGAAT 660
Q I E R T I Q Y L I G S G M D P H T E N
AGTCCTTACCGAGGATTCATATATACTTCGTTCCAAAGAAAGGGCAACTTTTATTTCCCAT 720
S P Y R G F I Y T S F Q E R A T F I S H
GGGAATACAGGCAGGCTGGCTAAGGAGTATGGGGATATTAAGTGGCTCAAATTTGTGGT 780
G N T G R L A K E Y G D I N L A Q I C G
AGCATTGCCTCAGATGAGAAGCGCCACGAGACAGCCTATACCAAATCGTTGAAAAGCTG 840
S I A S D E K R H E T A Y T K I V E K L
TTTGAGATTGATCCTGATGAAACAGTCCTGGCATTGCTGACATGATGAAGAAGAAAATC 900
F E I D P D E T V L A F A D M M K K K I
GCCATGCCGGCTGAGTTCATCTATGATGGCAGAGATTATAACTTATTTGACCACTACTCA 960
A M P A E F I Y D G R D Y N L F D H Y S
GCTGTGCCCCAAAGAATCGGGGTTTACACTGCTAAGGACTATGTTGATATAGTAGAGCAC 1020
A V A Q R I G V Y T A K D Y V D I V E H
CTGGTGGATCGATGGAAGGTGAAGGAGCTAGCTGGGCTTTCAGCCGAGGGGCGTAAAGCT 1080
L V D R W K V K E L A G L S A E G R K A
CAGGACTACTTGTGTTCACTTCCTTCGAGAATTAGAAGGTTAGAGGAGAGAGCGCAAGAA 1140
Q D Y L C S L P S R Y R R L E E R A Q E
AAGGCCAAGGAAGCACCCAGTGTCCCATTCAGTTGGATATTTGATAGAGAAGTGAAACTT 1200
K A K E A P S V P F S W I F D R E V K L
TAGGTCATGAAATACAGTTAAGACTCCTGCAATGCATTTGAGGAAACAAACACGAAGAAG 1260
*
CTGAATGCCAACTTCTCTTTATATATCCGATGTAATAGAGGTTGTATATGTAACAGGAGG 1320
AATTGCGTGGCTTTGGTTAGGGTAGCACATGTTTTCTGGATGTGTTGTGTCCTTAAAAAA 1380
TAATGCCGATAGCGGCAGCTGTGATAGTTTTAGATGTTTGTTCATAATGTCTGTTATA 1440
TCGTTGTACGAGTAGTATGTGTTGTTTTGTTGAAACAATCTTCATATCTTAGTGATAAA 1500
TGATAATGCTGTGTAGTCATAGTTTTTAGTTTGCAATAAAAAAAAAAAAAAAAAA 1553

FIGURE 2

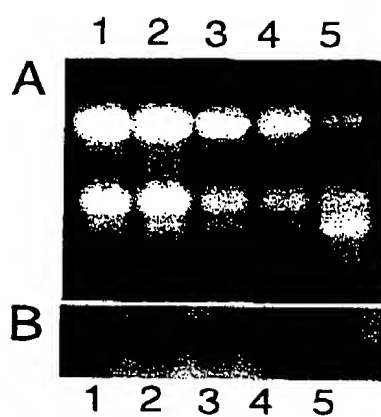


FIGURE 3

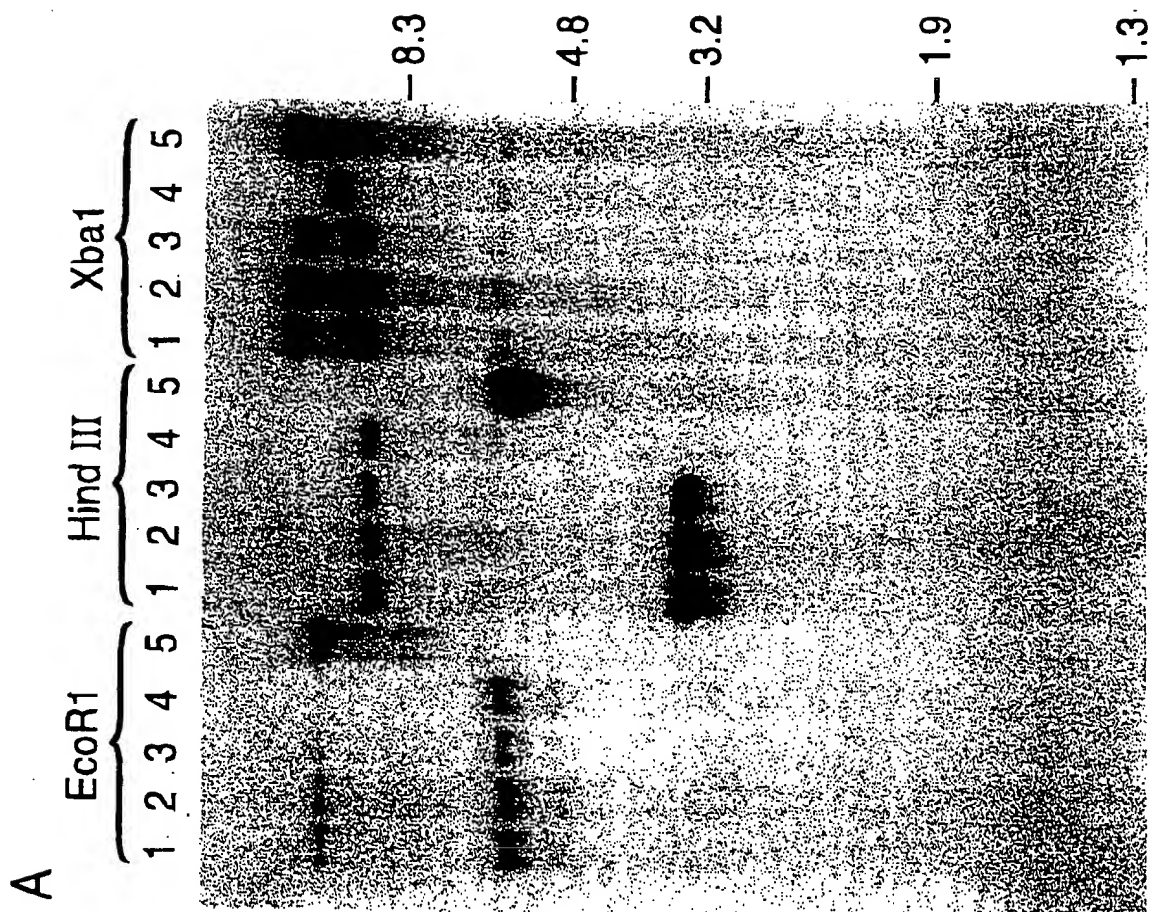


FIGURE 4A

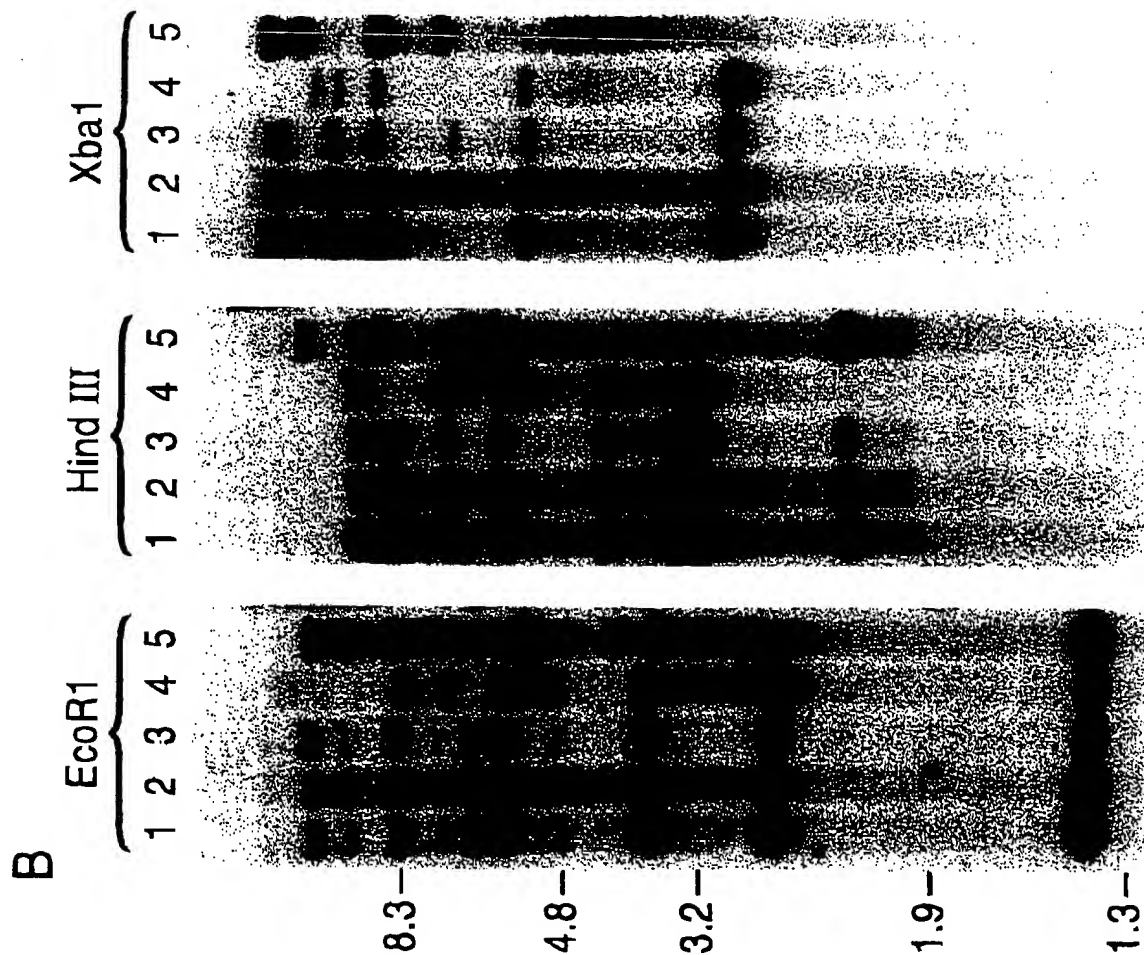


FIGURE 4B

CTCGCCCAAAACCAACACGCCTTCTTTGCCTCGTGTTCATCACCTGGCGTTAAACTGCT	60
TTCTTTAAAGCCAGCAAAATCGGTGCCGGTGGTAGGATGCCAATTGACGGTATAAAGGAG	120
M G A G G R M P I D G I K E	
GAAAATCGAGGCTCGGTCAATCGAGTTCCGATCGAGAAGCCTCCGTTTACGCTCGGTACAG	180
E N R G S V N R V P I E K P P F T L G Q	
ATCAAGCAAGCCATTCCGCCCCACTGTTTTGCGCGCTCCCTCCTTCGATCCTTCTCCTAC	240
I K Q A I P P H C F R R S L L R S F S Y	
GTGGTCCATGACCTATGCTTAGCCTCTTTCTTTTACTACATTGCAACATCATATTTTCAC	300
dl2A4 primer	
V V H D L C L A S F F Y Y I A T S Y F H	
TTTCTCCCACAACCCTTTTCTACATTGCTTGGCCTGTCTATTGGGTTCTCCAAGGTTGC	360
F L P Q P F S Y I A W P V Y W V L Q G C	
ATCCTCACCGGTGTTTGGGTCATCGCACACGAGTGGGGTACCACGCTTTCAGAGACTAC	420
I L T G V W V I A H E W G H H A F R D Y	
CAATGGGTTGACGACACCGTCGGGTTGATCCTTCATTCGCCCCCTTTAGTCCCGTACTTC	480
Q W V D D T V G L I L H S A L L V P Y F	
TCGTGGAATCAGTCACCGCCGTCACCACTCGAACACCGGTTCCATGGAGCGTGACGAA	540
S W K I S H R R H H S N T G S M E R D E	
GTATTTCGTGCCCAAAACCAAGTCTAAATTATCATGCTTTGCGAAATACTTAAACAATCCA	600
V F V P K P K S K L S C F A K Y L N N P	
CCCCGTGAGTTCTATCTCTTGTAGTCACATTGACTCTTGGTTGGCCTATGTACTTAGCC	660
P G R V L S L V V T L T L G W P M Y L A	
TTCAACGTTTCGGGTCGATACTATGATCGATTAGCTTCCCACTATAACCCTTATGGCCCC	720
F N V S G R Y Y D R L A S H Y N P Y G P	
ATTTACTCCGATCGCGAGAGGCTACAAGTTTACATCTCCGATACTGGTATATTTGCGGTA	780
I Y S D R E R L Q V Y I S D T G I F A V	
ATTTATGTACTTTATAAGATTGCTGCAACAAAAGGGCTGGCTTGGCTTTTATGCACTTAT	840
I Y V L Y K I A A T K G L A W L L C T Y	
GGGGTGCTCTACTTATTGTGAATGCCTTCCTTGTGTTGATCACCTACTTGCAACATAC	900
G V P L L I V N A F L V L I T Y L Q H T	
CACTCGGCATTGCCGCATTATGACTCGTCCGAATGGGATTGGTTGCGAGGAGCATTGTGCG	960
H S A L P H Y D S S E W D W L R G A L S	
ACGATGGATCGAGATTTCCGGGTGTTGAACAAAGTGTCCATAACATCACCGATACGCAT	1020
T M D R D F G V L N K V F H N I T D T H	
GTTGCTCATCACCTCTTCTCAACGATGCCACATTATCATGCAATGGAGGCCACTAAAGCA	1080
V A H H L F S T M P H Y H A M E A T K A	
ATCAAACCAATACTCGGCAAGTATTATCCTTTGACGGGACACCGATTTACAAGGCAATG	1140
I K P I L G K Y Y P F D G T P I Y K A M	
TGGAGGGAGGCAAAAGAGTGCCTTTACGTTGAGCCTGACGTTGGTGGTGGTGGTGGT	1200
W R E A K E C L Y V E P D V G G G G G G	
AGCAAAGGTGTTTTTGGTATCGTAACAAGTTCTAAAGACCGACCAACTGCCTGATAGCT	1260
S K G V F W Y R N K F *	
GGCCGGCGAAATCAACGTAAACGTACTTATTAGACTAGTGTTAACTAGGGAAGTTAATA	1320
ATTAATGGTAGGAAAATGTGGAATAGTTGCCTAGTAGTTTTATGTATTAAGTGTGTATT	1380
AATAAACTATATGGTAGAAAAA	1411

FIGURE 5

taaaaaaaaaaggcattttctttcatcttaagagacagcgaggaagccacgaagataata
 gagtgattttcaatctccattttaaggggtgtggaacaatgggtgctggaggcagaatgtc
 M G A G G R M S
 ggttccaacgaggtccaaaaaaacccgaattcaactcactgaagcgagttccataactcaaa
 V P T S P K K P E F N S L K R V P Y S K
 gccacccttcactctgagtgaaatcaagaaagccatcccaccacactggttccagcgctc
 P P F T L S E I K K A I P P H C F Q R S
 cgttttacgctcattctcatatctcctttacgactttatattggcctctctttttttacca
 V L R S F S Y L L Y D F I L A S L F Y H
 tgtggccaccaattacttccctaacccttcctcaggtctctctccaacgtggcttggcctct
 V A T N Y F P N L P Q A L S N V A W P L
 ttattggggccatgcaaggttgcattttgaccggcggttgggtcatagcccatgaatgtgg
 Y W A M Q G C I L T G V W V I A H E C G
 ccaccatgctttcagtgattatcaatggcttgacgacaccgtgggccttatcctccactc
 H H A F S D Y Q W L D D T V G L I L H S
 ttctctcttagttccatattttctcttggaatatagccaccggcggtcaccattctaacac
 S L L V P Y F S W K Y S H R R H H S N T
 cggttccctcgaaagggatgaagtgttcggttcccaagaaaaaatctggtttaagatgggtg
 G S L E R D E V F V P K K K S G L R W W
 ggccaaacacttcaacaatccaccgggtcggtttctgtcaatcaccattcaacttacctt
 A K H F N N P P G R F L S I T I Q L T L
 tggttggcgcgtttacttagctttcaacgttgccggccggccttacgacaggttcgcttg
 G W P L Y L A F N V A G R P Y D R F A C
 ccactatgacccttacggccccatattttccgaccgggaacgactccaaatctatatctc
 H Y D P Y G P I F S D R E R L Q I Y I S
 tgacgcggcggtcctcgtgtgcctatgcgctctaccgtctcgtgttggccaaaggggt
 D A G V L A V A Y A L Y R L V L A K G V
 aggttgggttatttagcgtttatgggggtgccattattgggtggttaacgccttcttagtaat
 G W V I S V Y G V P L L V V N A F L V M
 gatcacgtattttgcaacacactcaccatctttgccgcactatgattcctcggagtgggga
 I T Y L Q H T H P S L P H Y D S S E W D
 ctggatgagaggagctttatcaactgtggacagagattatgggatttttaacaagggtttt
 W M R G A L S T V D R D Y G I L N K V F
 ccataacataaccgacactcatgtggctcatcattttgttttcgacaatgcctcactatca
 H N I T D T H V A H H L F S T M P H Y H
 tgccatggtggccaccaaggcgataaaagcccatatttgggggaataactatcagttcgatgg
 A M V A T K A I K P I L G E Y Y Q F D G
 gatgcctgtctataaggcgatatggagggaggcggaaggagtgctctacgttgaaccaga
 M P V Y K A I W R E A K E C L Y V E P D
 tgagggcgacaaggataaaaggtgtgttttgggttagaaacaagctttaaatattttgcatt
 E G D K D K G V F W F R N K L *
 ttaccttaggcattgttctagtcgtttgatgttttaaggatatttttagccgacataacttgg
 tttcctttttgggacttttttagctttgtattttgcagacaataatcttggttactattaaa
 taatggtagaaataaatacacagcatggattggcaataaaaa

FIGURE 6

FIGURE 7

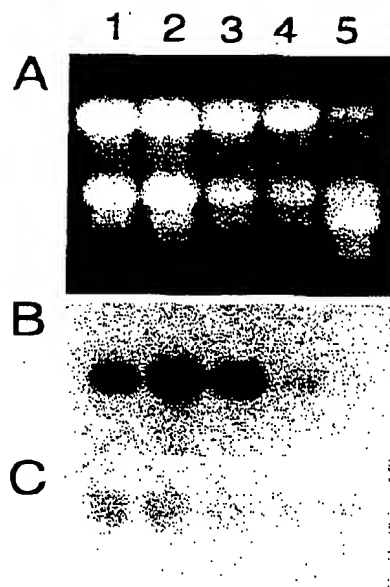
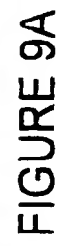


FIGURE 8



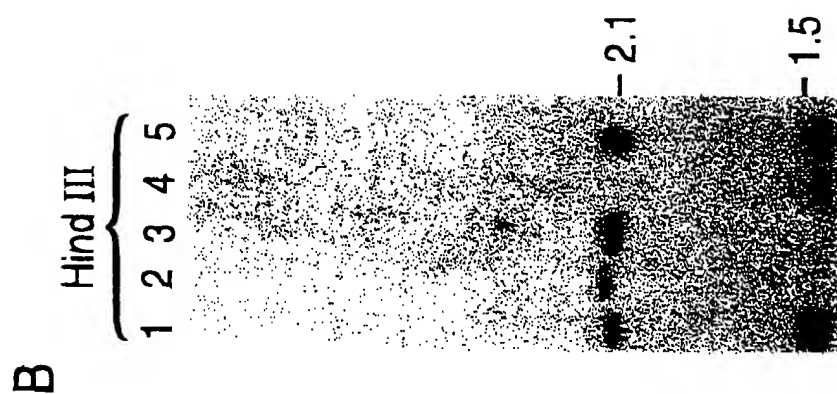


FIGURE 9B

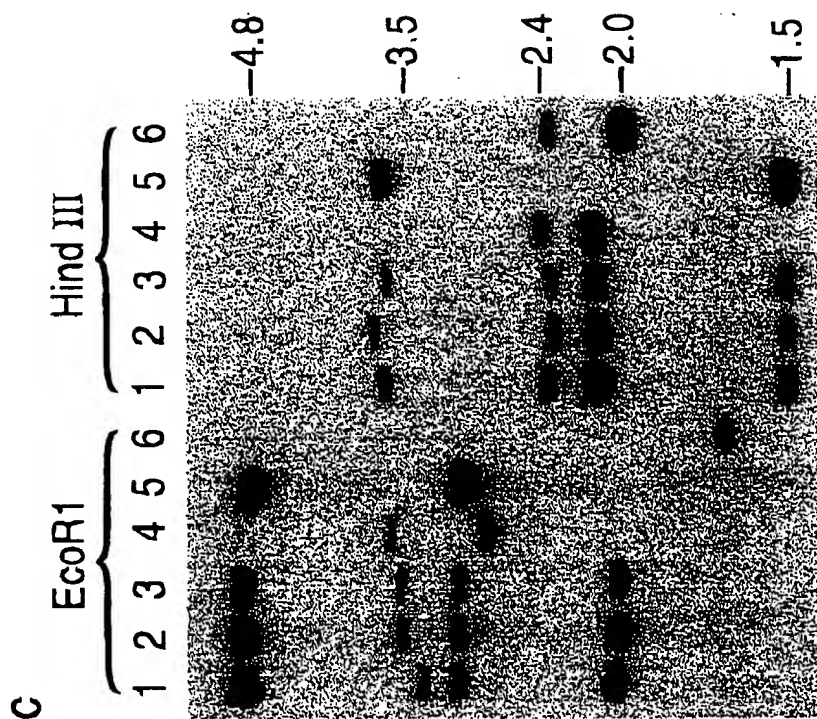


FIGURE 9C

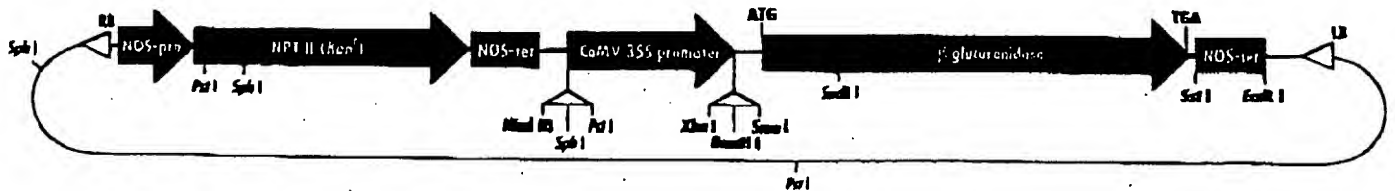
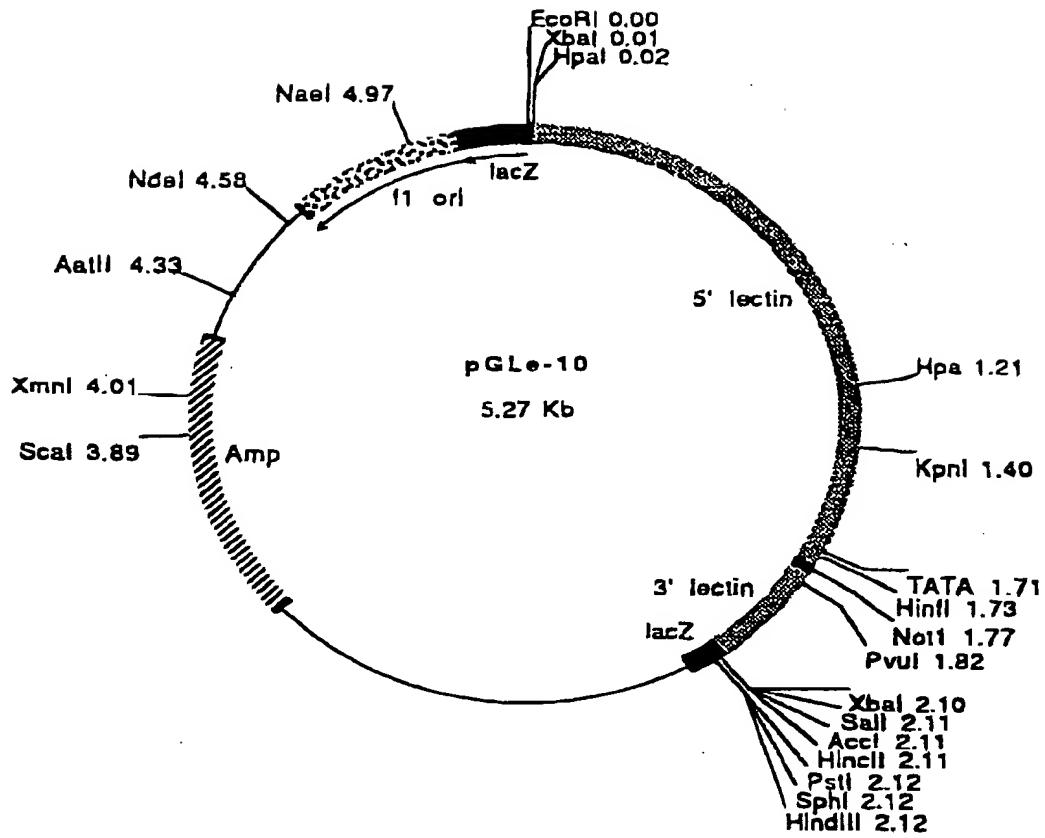


FIGURE 10

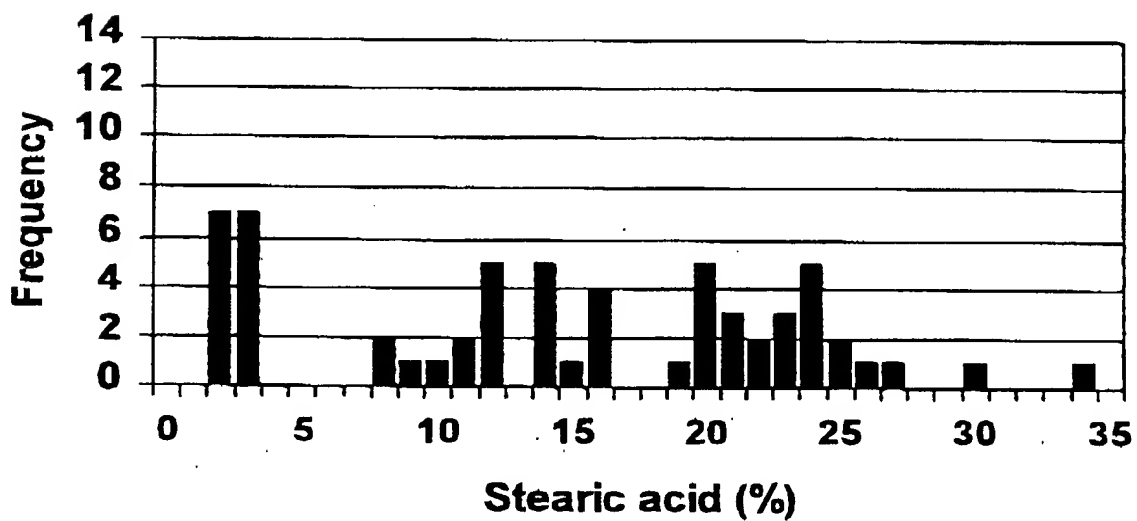
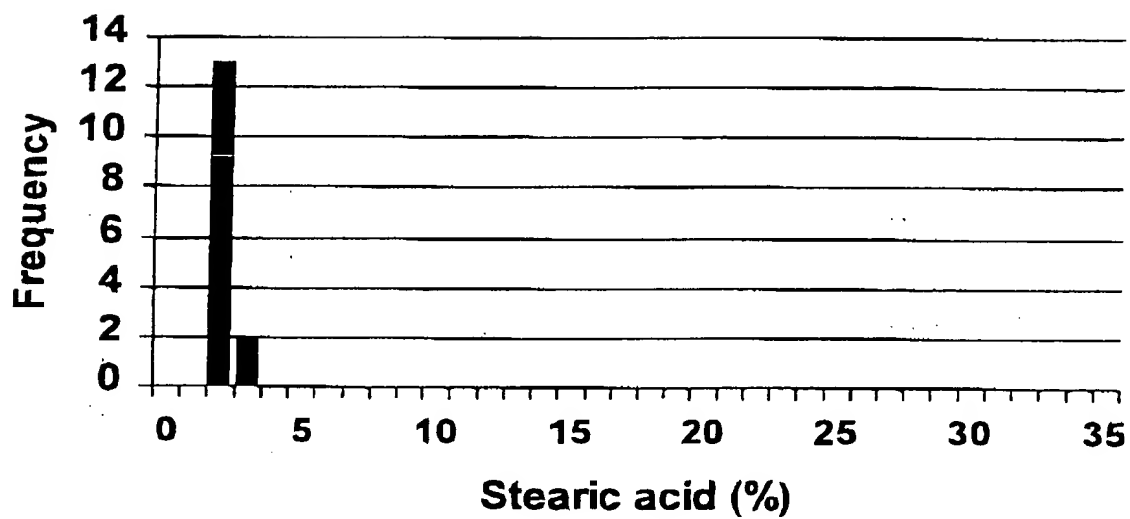


FIGURE 11

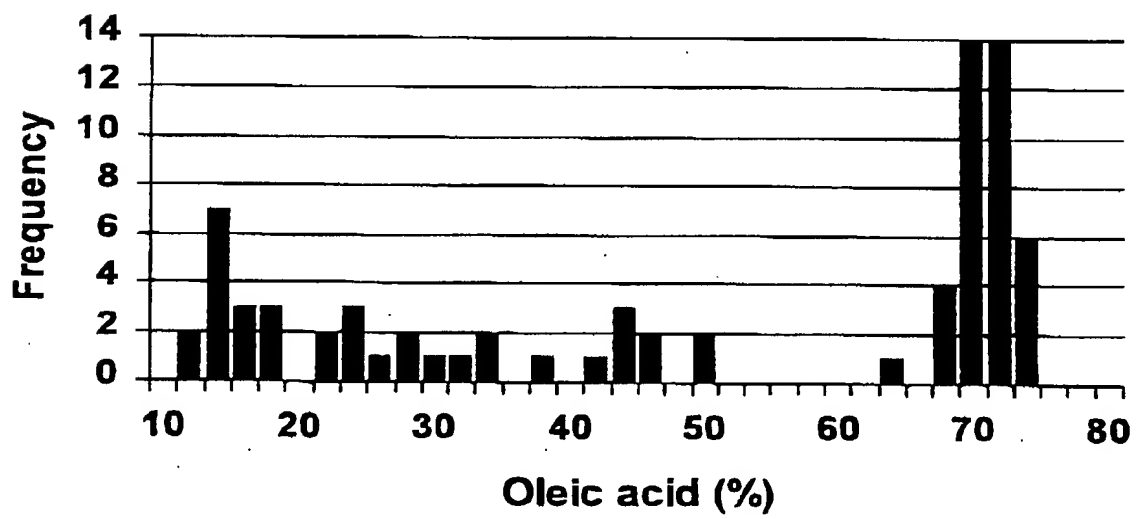
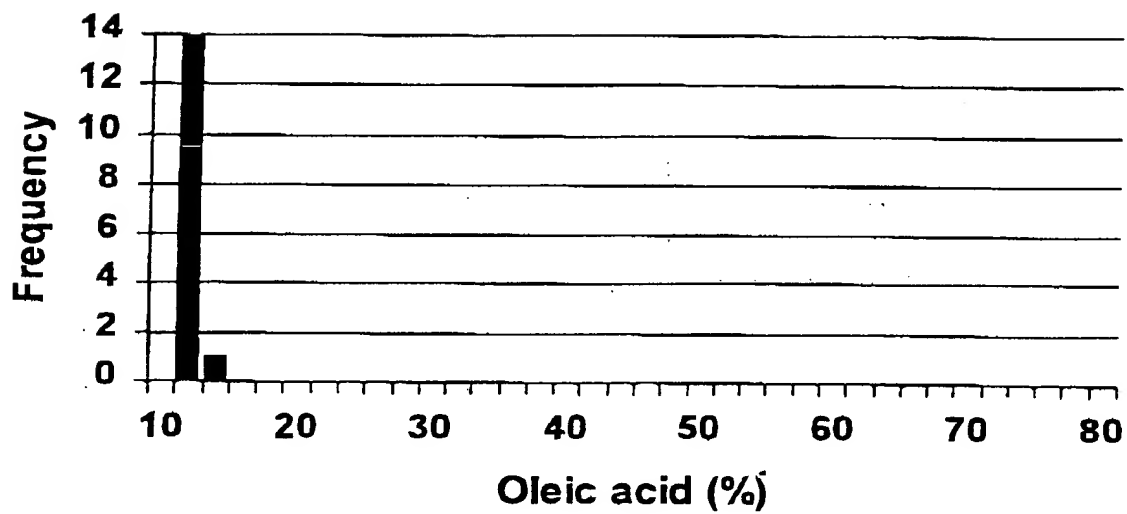


FIGURE 12

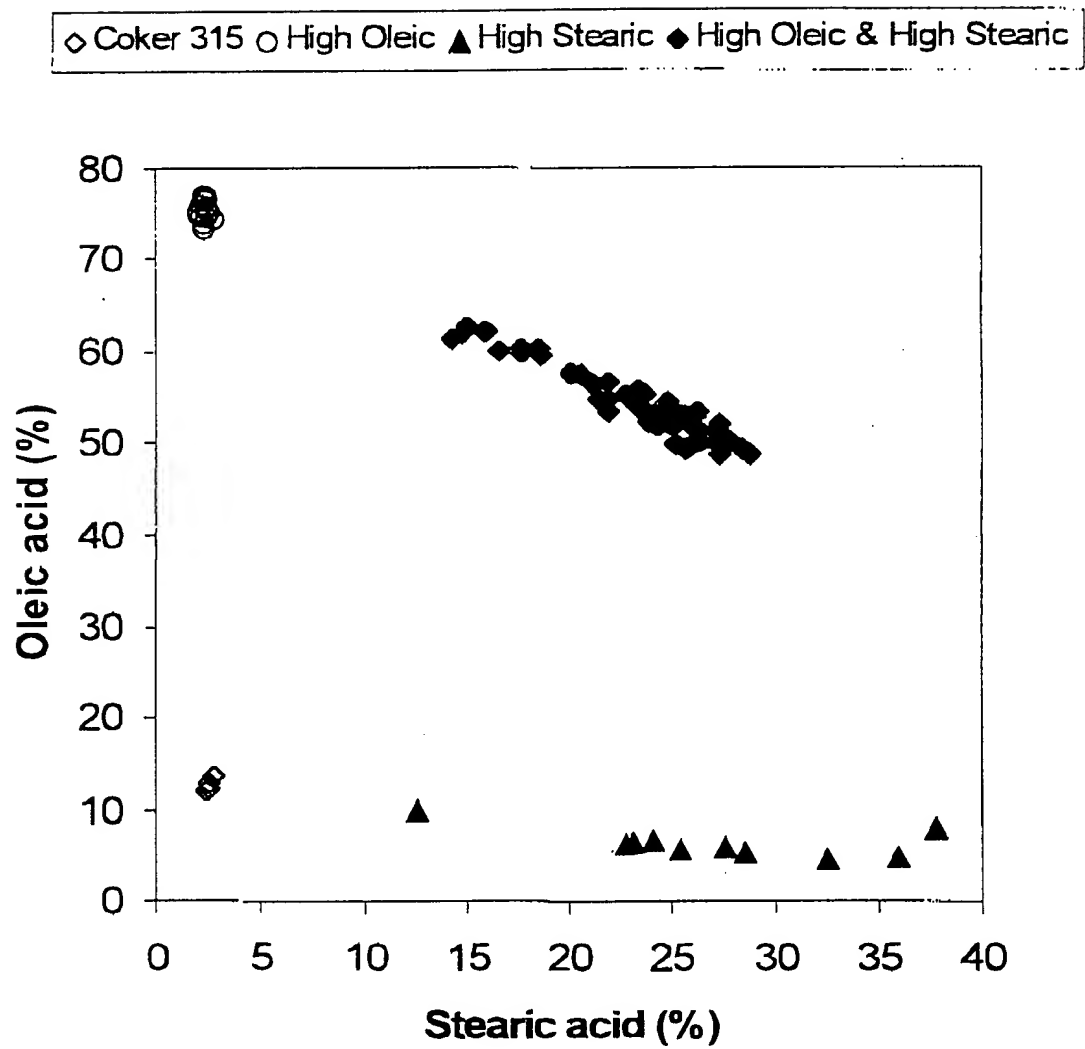


FIGURE 13